FIG.1

FIG.2

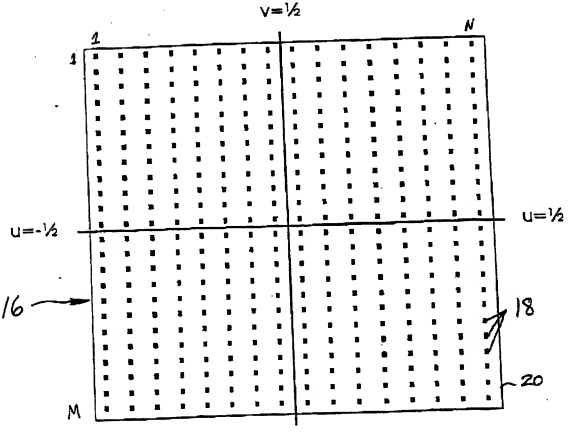


FIG.3

USA
MARK McGWIRE, FIRST BASE
16
20
12
18

FIG.4

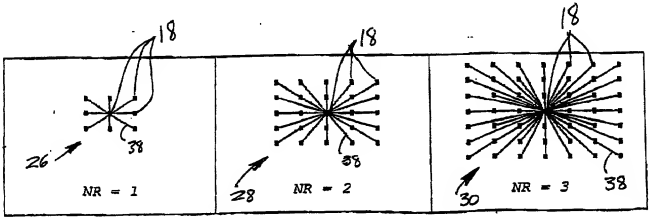

18
18
18
26
38
28
38
30
38
NR = 1
NR = 2
NR = 3

FIG.5

D288660 '11200T

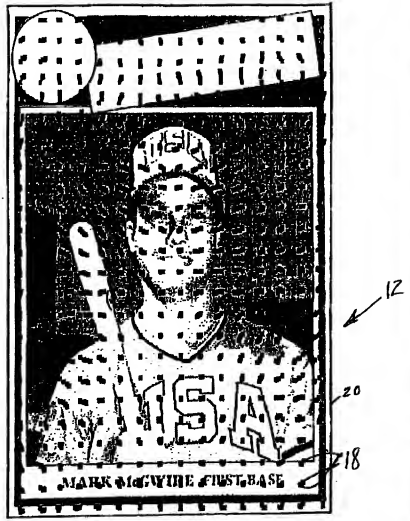


FIG.6

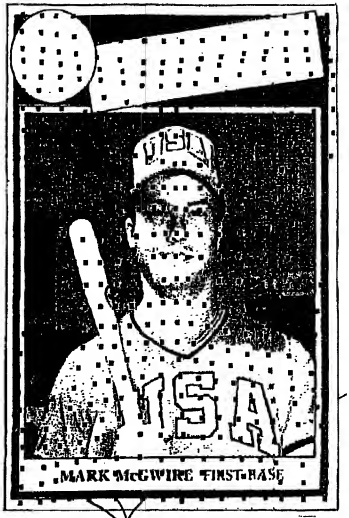


FIG.7

FIG.8

T0027T-4288660

T00211 "H2838660

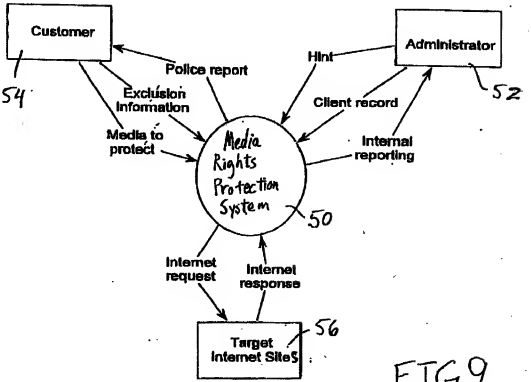
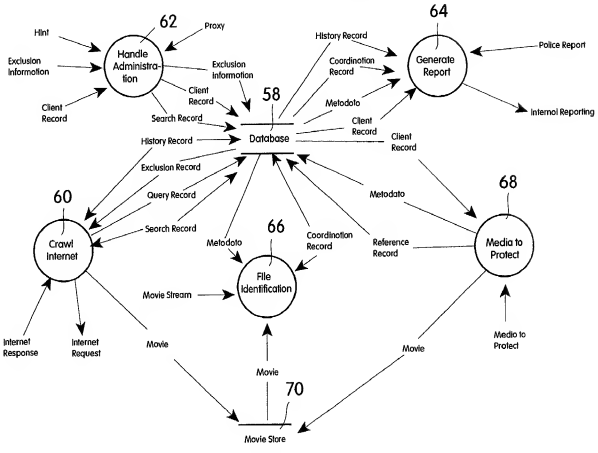


FIG 9

T00211 "4288660

FIG. 10



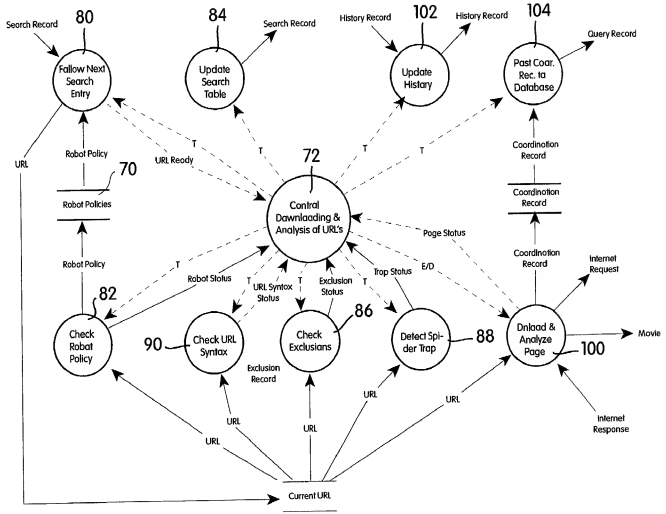

Search Record
80
Fallow Next Search Entry
84
Search Record
Update Search Table
History Record
102
History Record
Update History
104
Query Record
Past Coor. Rec. to Database
Robot Policy
70
Robot Policies
URL
URL Ready
72
Central Downloading & Analysis of URL's
Coordination Record
Coordination Record
Coordination Record
Page Status
Robot Policy
Robot Status
URL Syntax Status
Exclusion Status
Trap Status
E/D
Internet Request
82
Check Robot Policy
90
Check URL Syntax
Exclusion Record
86
Check Exclusions
Detect Spider Trap
88
Dnload & Analyze Page
100
Movie
Internet Response
URL
URL
URL
URL
Current URL

FIG. 11

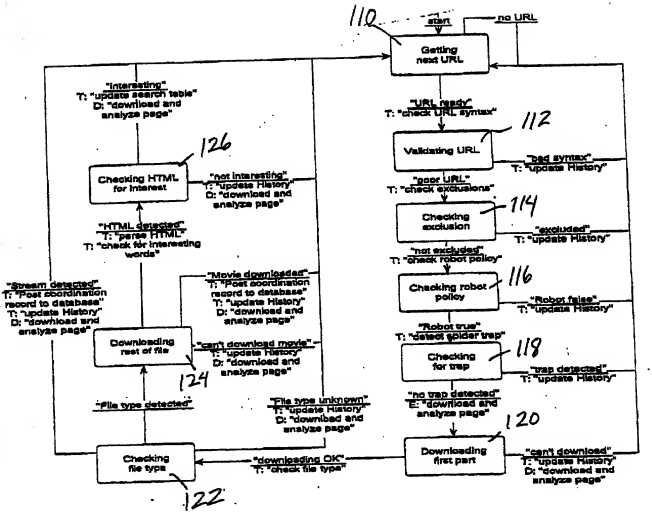

110
start
no URL
Getting next URL
"URL ready"
T: "check URL syntax"
112
Validating URL
"bad syntax"
T: "update History"
"good URL"
T: "check exclusions"
114
Checking exclusion
"excluded"
T: "update History"
"not excluded"
T: "check robot policy"
116
Checking robot policy
"Robot false"
T: "update History"
"Robot true"
T: "detect spider trap"
118
Checking for trap
"trap detected"
T: "update History"
"no trap detected"
E: "download and analyze page"
120
Downloading first part
"can't download"
T: "update History"
D: "download and analyze page"
"downloading OK"
T: "check file type"
122
Checking file type
"File type unknown"
T: "update History"
D: "download and analyze page"
"File type detected"
124
Downloading rest of file
"can't download movie"
T: "update History"
D: "download and analyze page"
"Movie downloaded"
T: "Post coordination record to database"
T: "update History"
D: "download and analyze page"
"Stream detected"
T: "Post coordination record to database"
T: "update History"
D: "download and analyze page"
"HTML detected"
T: "parse HTML"
T: "check for interesting words"
126
Checking HTML for interest
"not interesting"
T: "update History"
D: "download and analyze page"
"interesting"
T: "update search table"
D: "download and analyze page"

FIG. 12

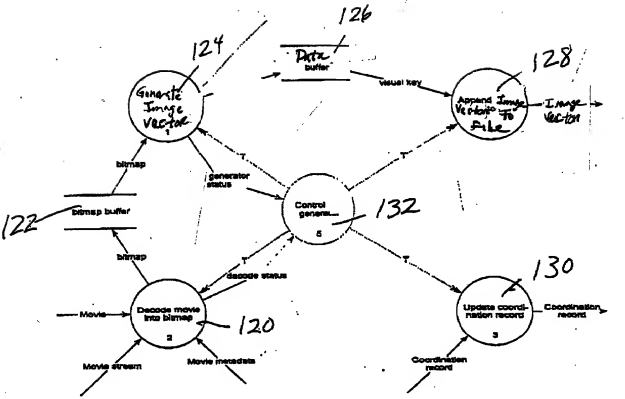

126
124
Data buffer
128
Generate Image Vector
Visual key
Append Image Vector to File
Image Vector
bitmap
generator status
122
bitmap buffer
Control generator
5
132
bitmap
Decode status
130
Movie
Decode movie into bitmap
2
120
Update coordination record
3
Coordination record
Movie stream
Movie metadata
Coordination record

FIG. 13

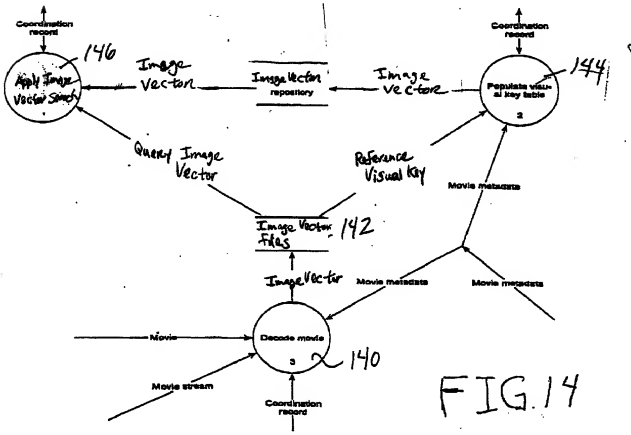

Coordination record
146
Apply Image Vector Search
1
Image Vector
Image Vector repository
Image Vector
Coordination record
144
Populate visual key table
3
Query Image Vector
Reference Visual Key
Movie metadata
Image Vector Files
142
Image Vector
Movie metadata
Movie metadata
Movie
Decode movie
3
140
Movie stream
Coordination record

FIG. 14